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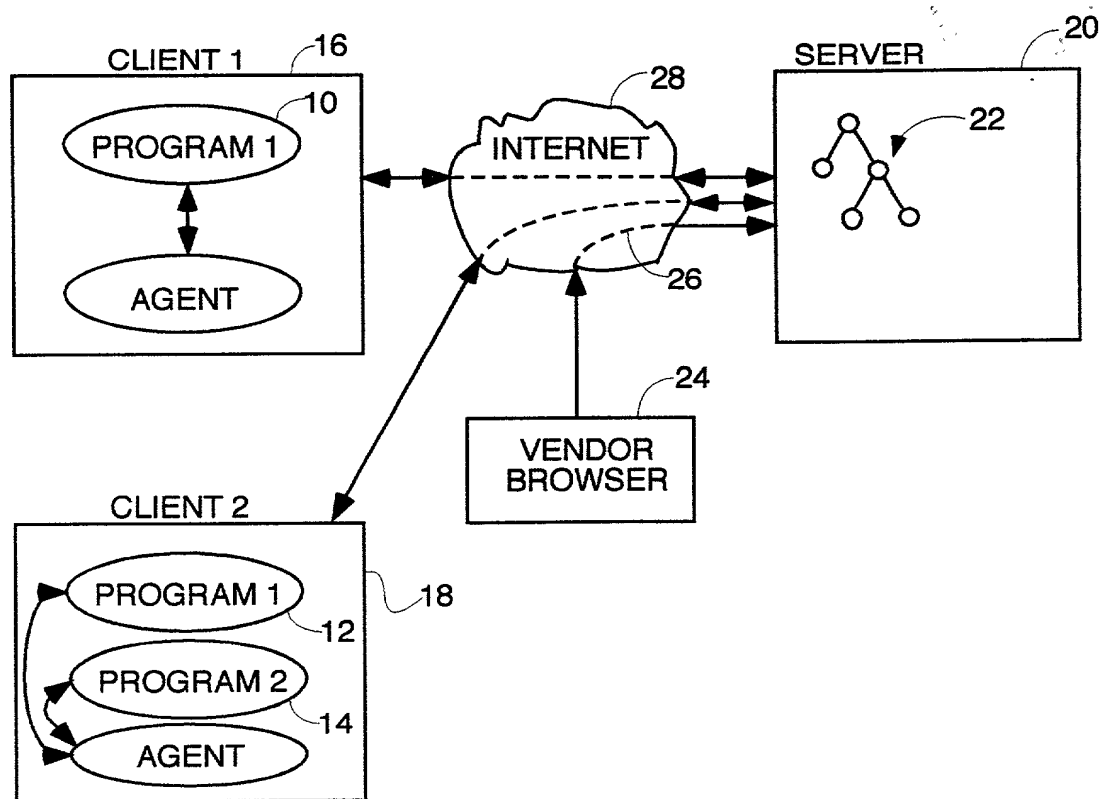


FIG. 1



FIG. 2

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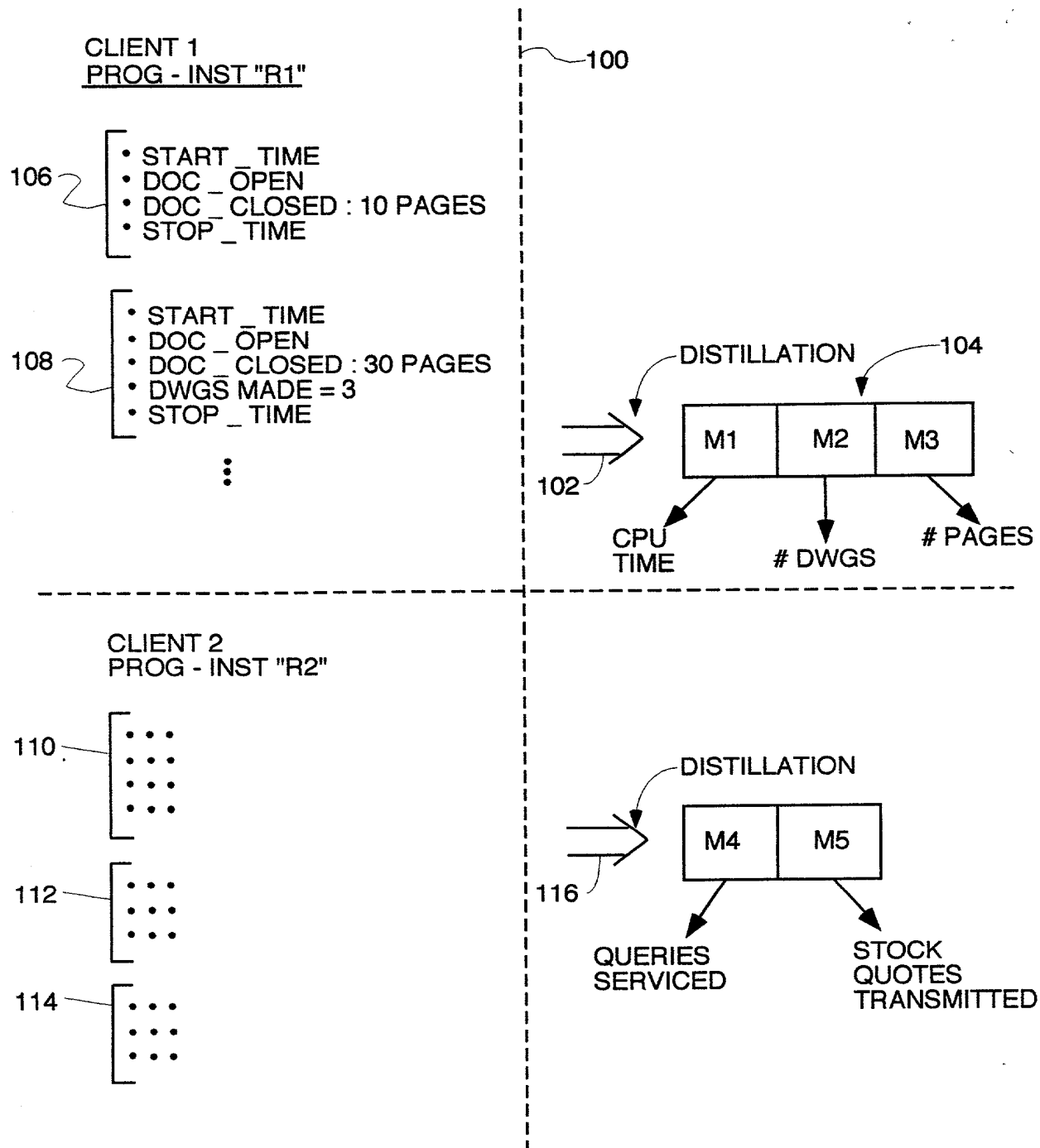


FIG. 3

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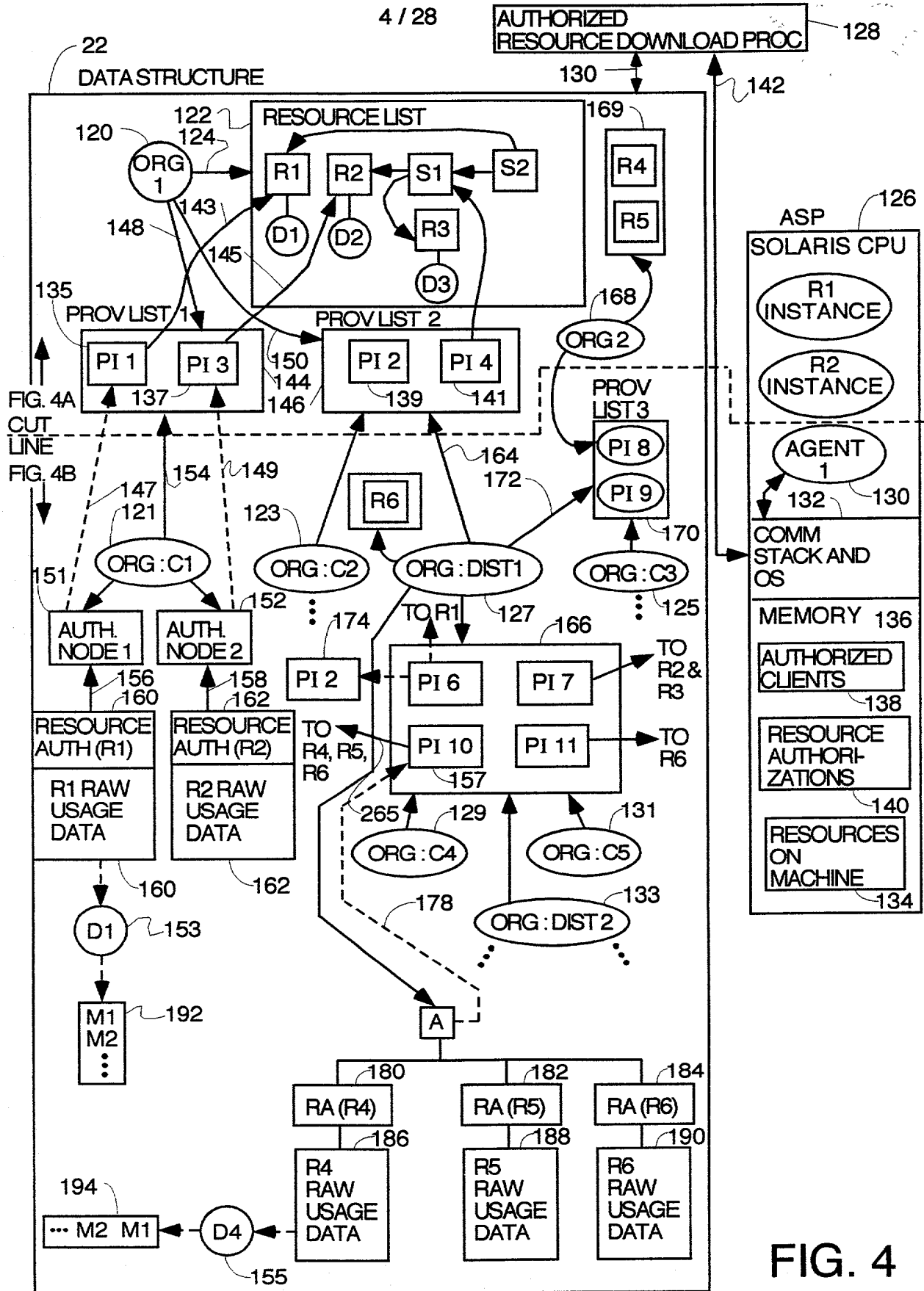


FIG. 4

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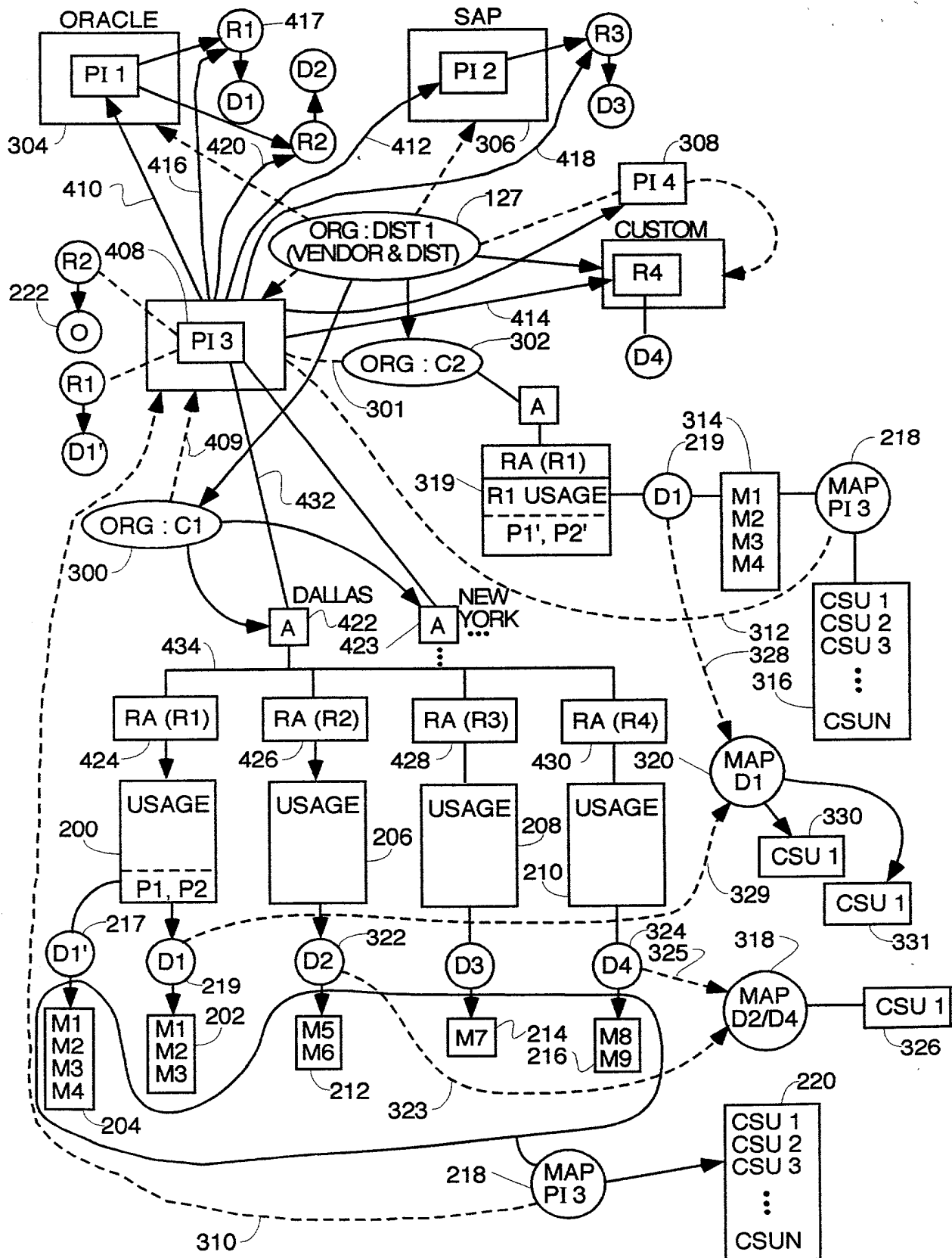


FIG. 5

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OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING

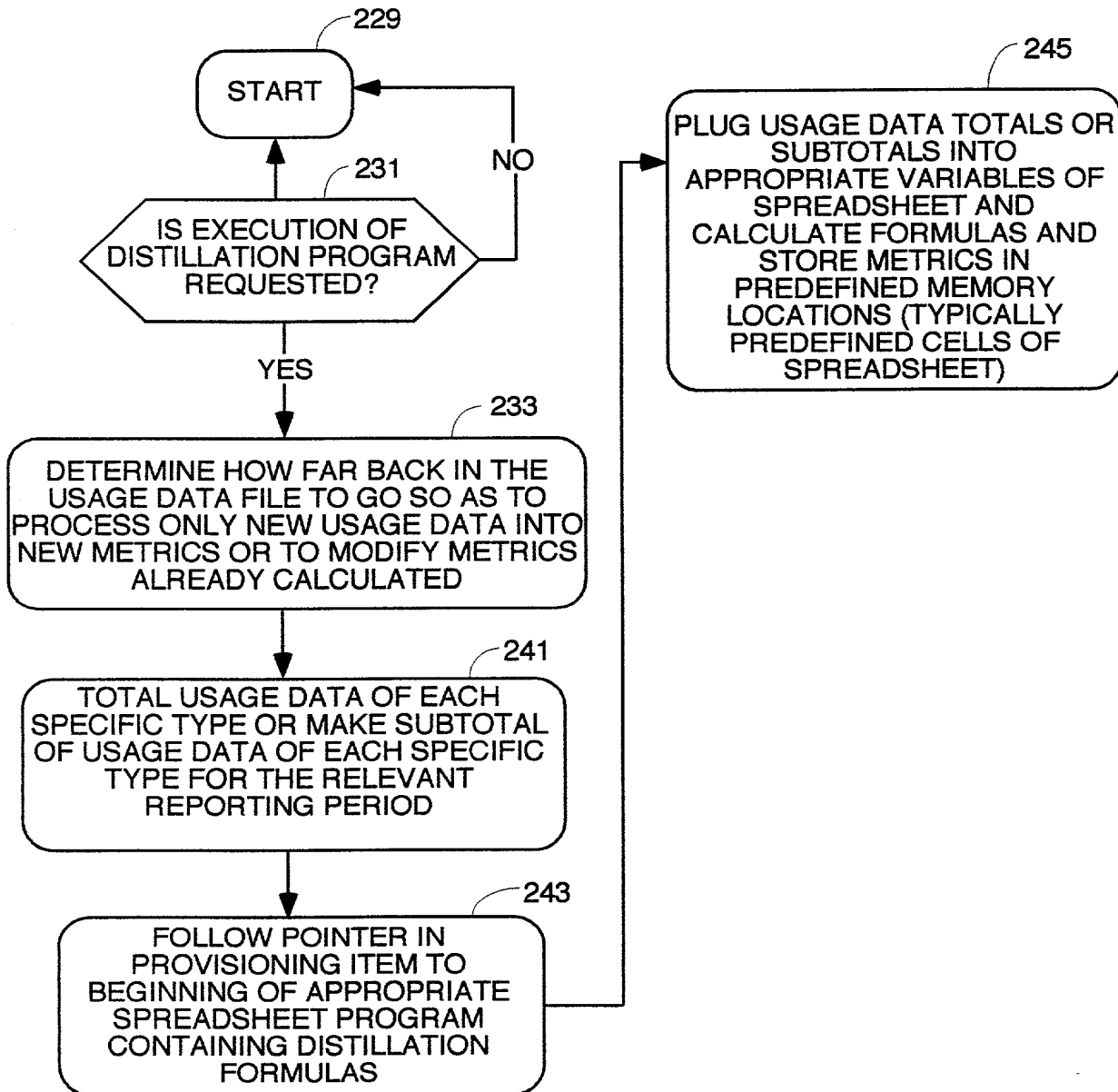


FIG. 6A

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OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

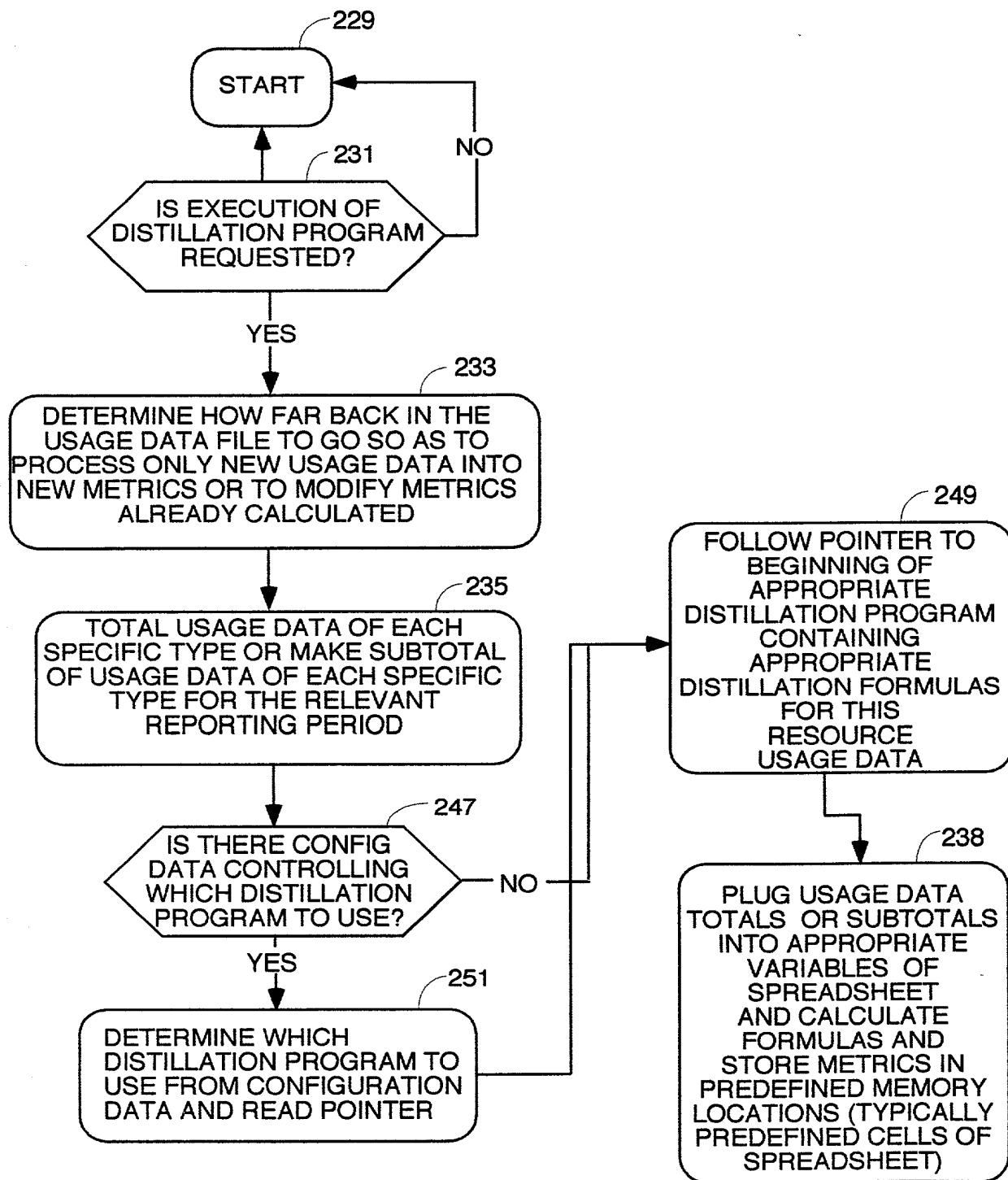


FIG. 6B

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PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND
PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS
OF THE CUSTOMER'S DESIGN

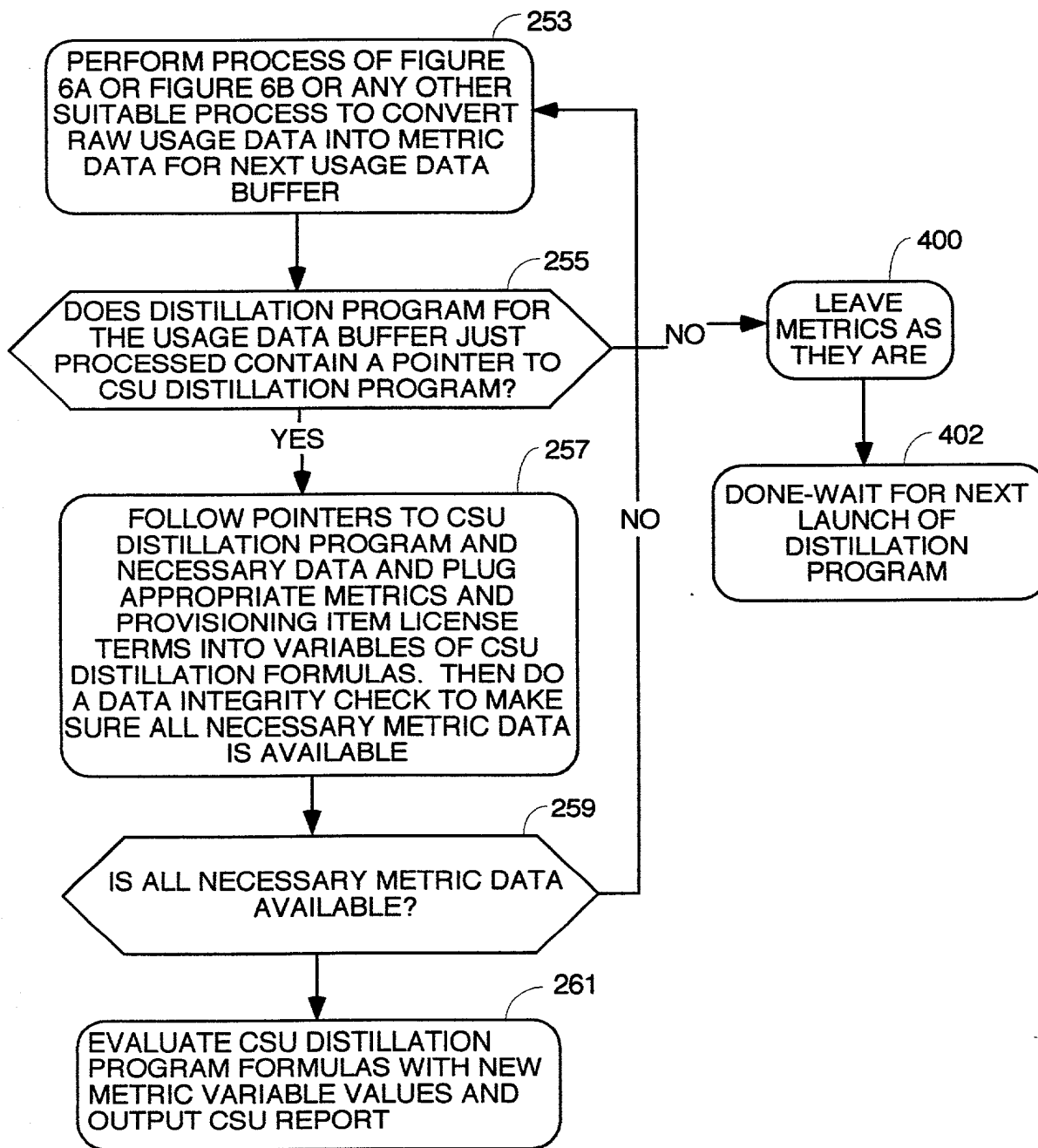


FIG. 7

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OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER
AND USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS
THEREFROM

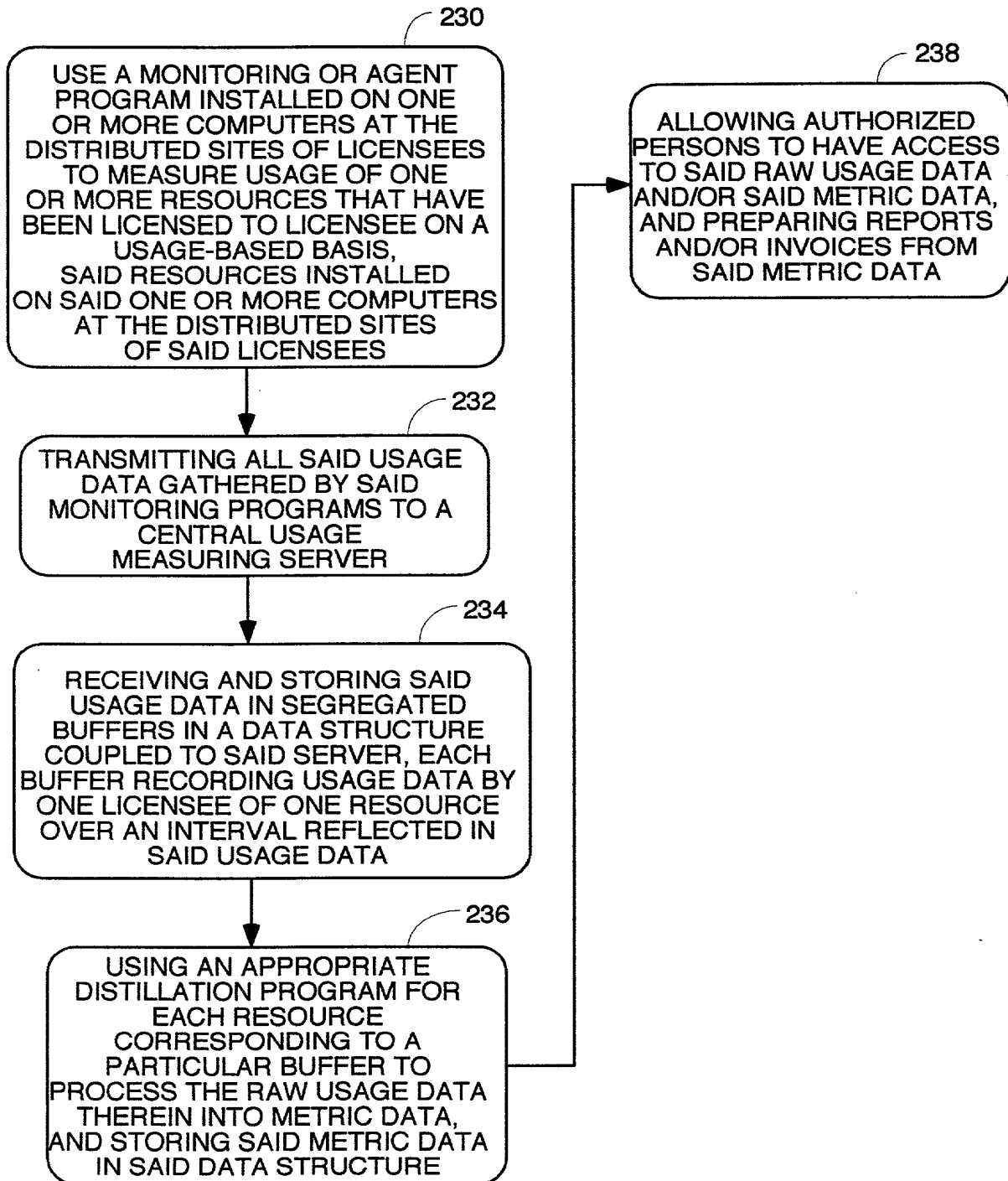


FIG. 8

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PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND
ALLOW RESTRICTED ACCESS THERETO

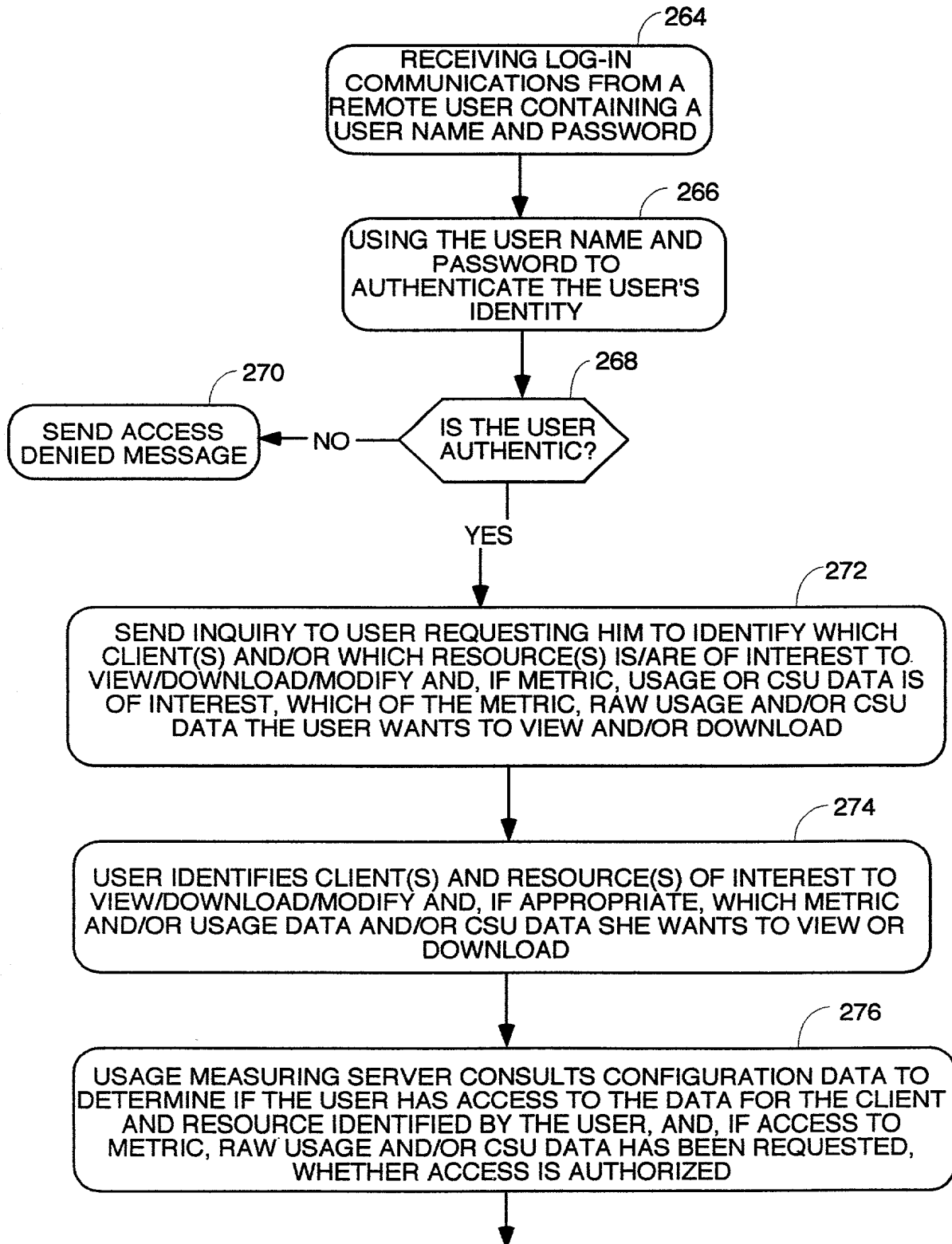


FIG. 9A

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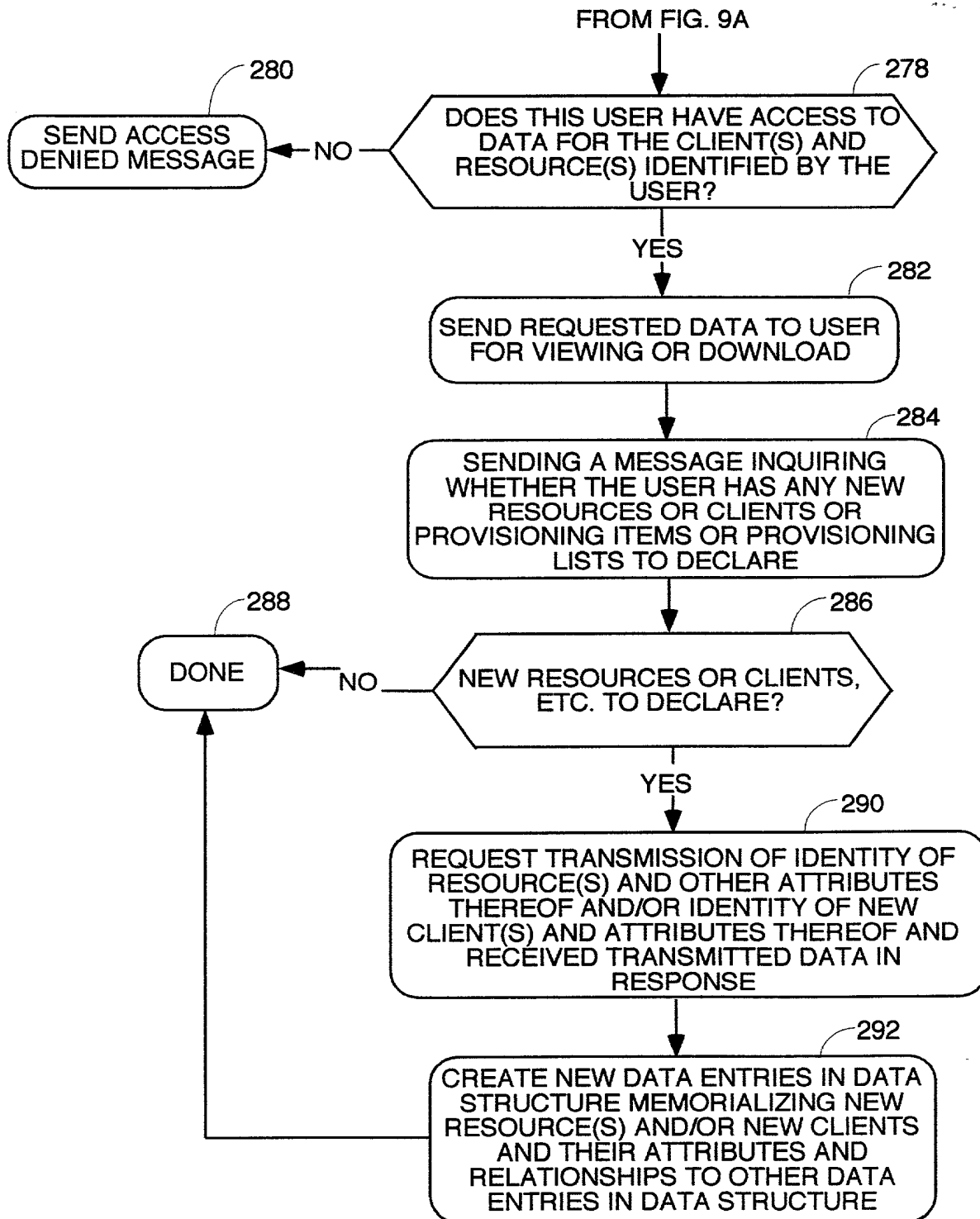


FIG. 9B

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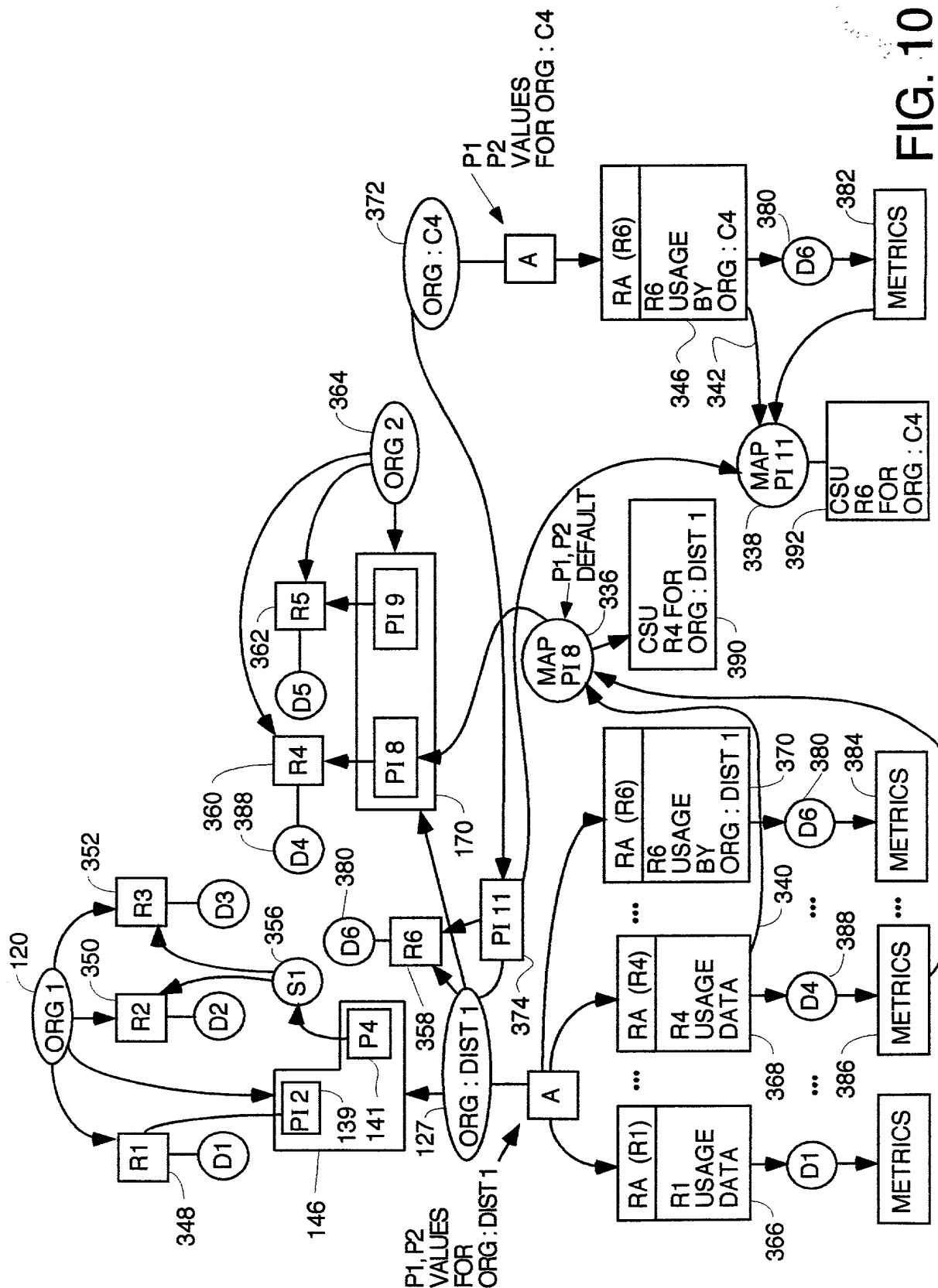


FIG. 10

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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

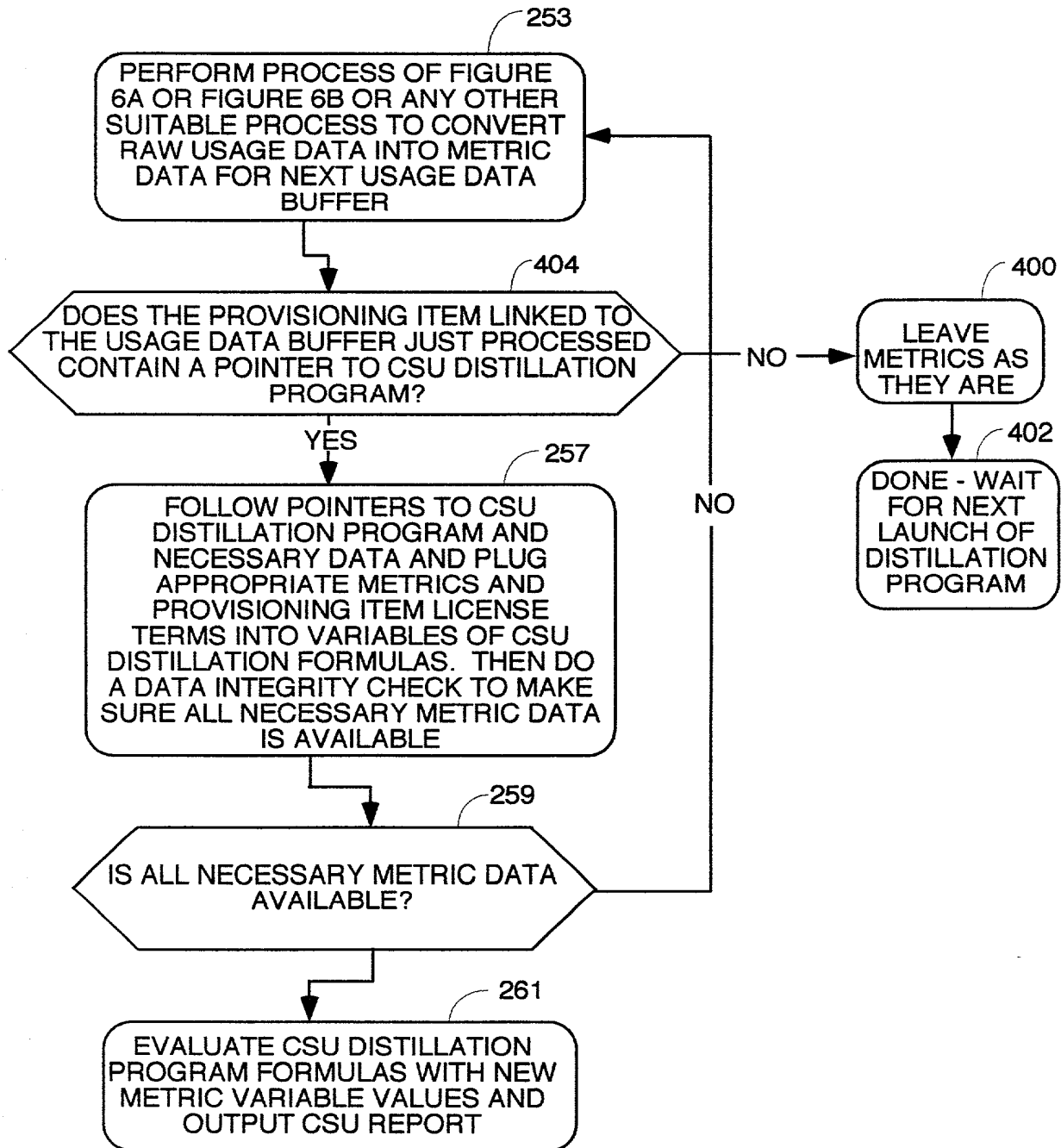


FIG. 11

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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

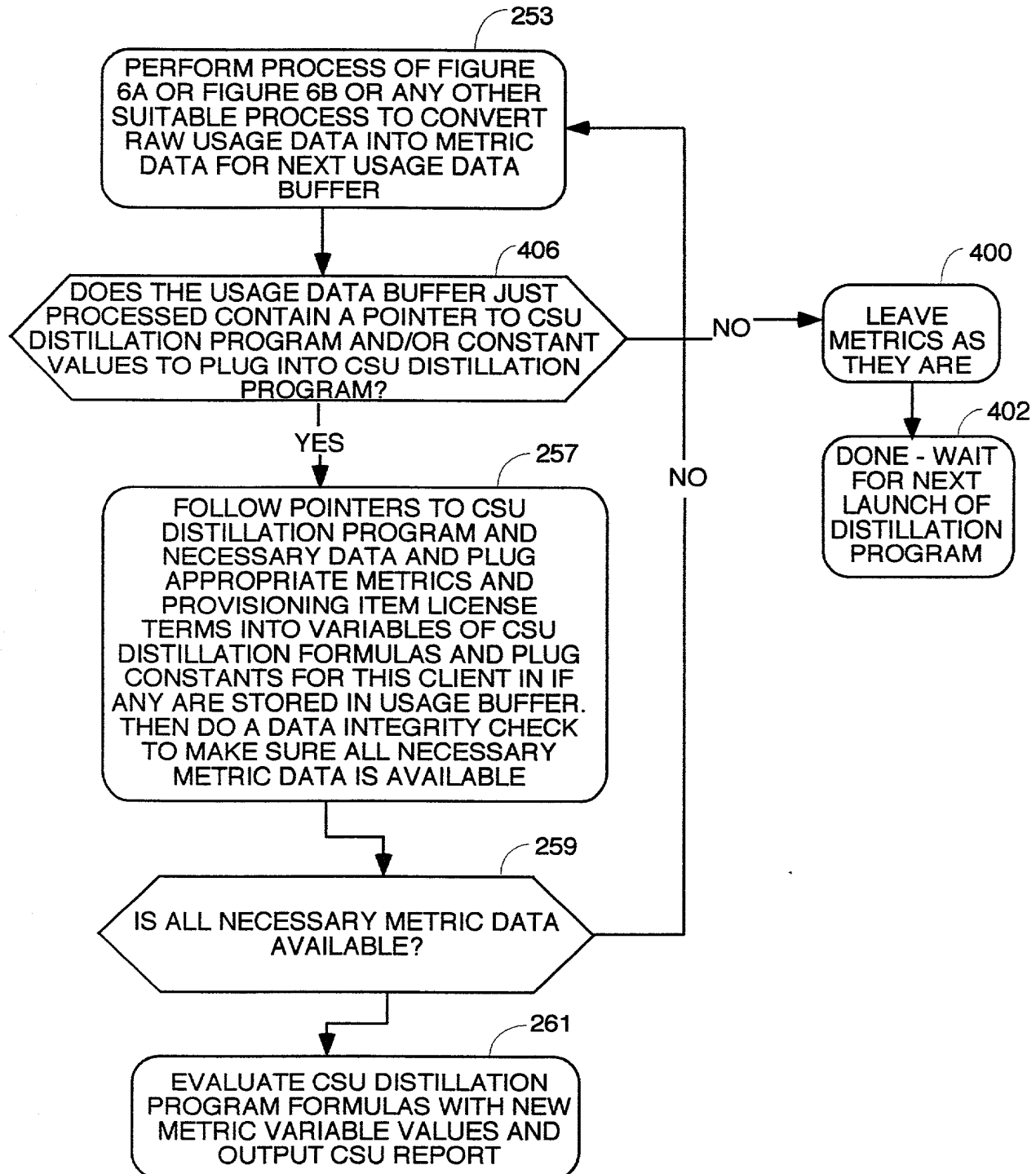


FIG. 12

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PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND
TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

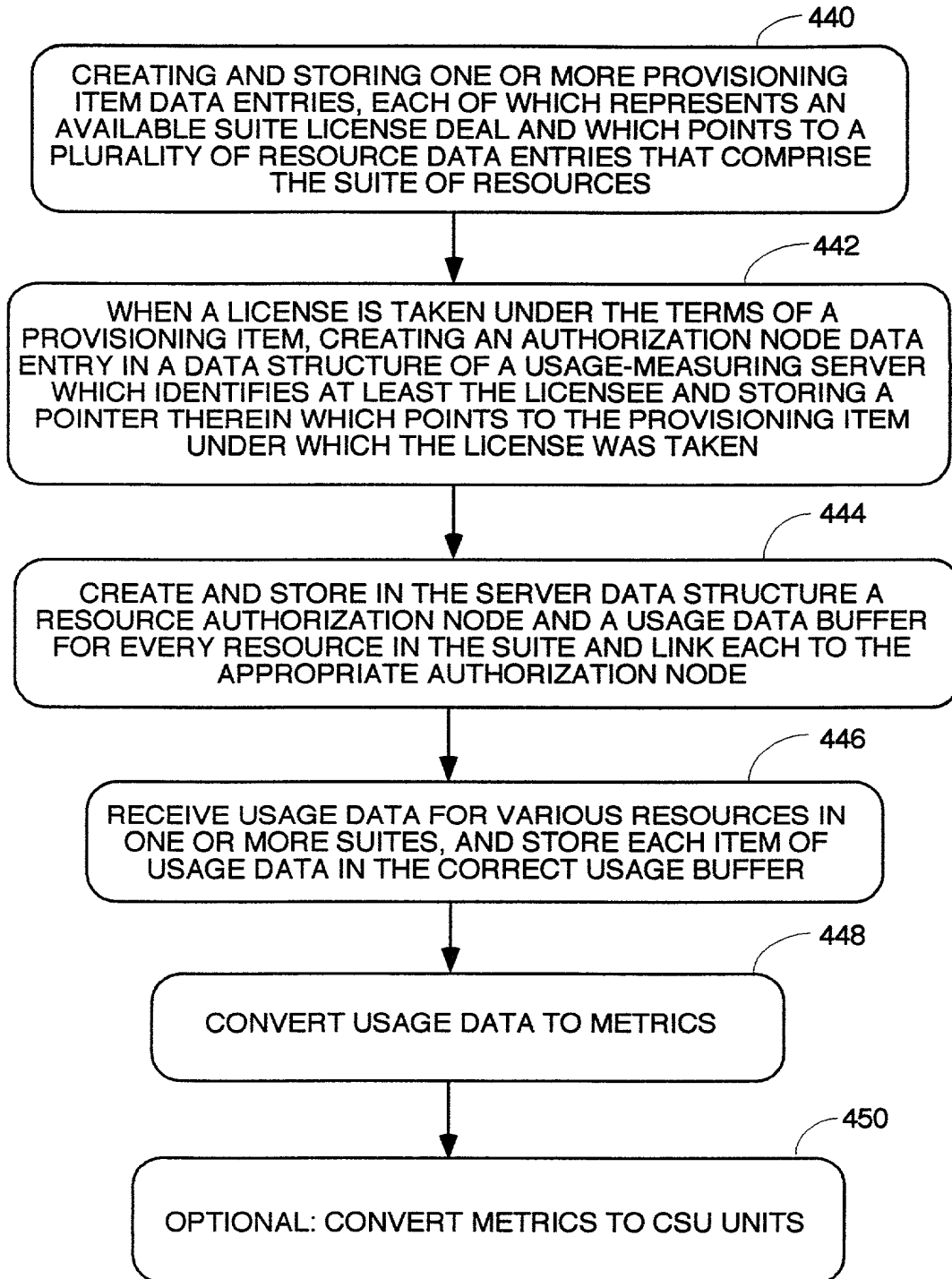


FIG. 13

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ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE DEALS ON A PARTICULAR RESOURCE

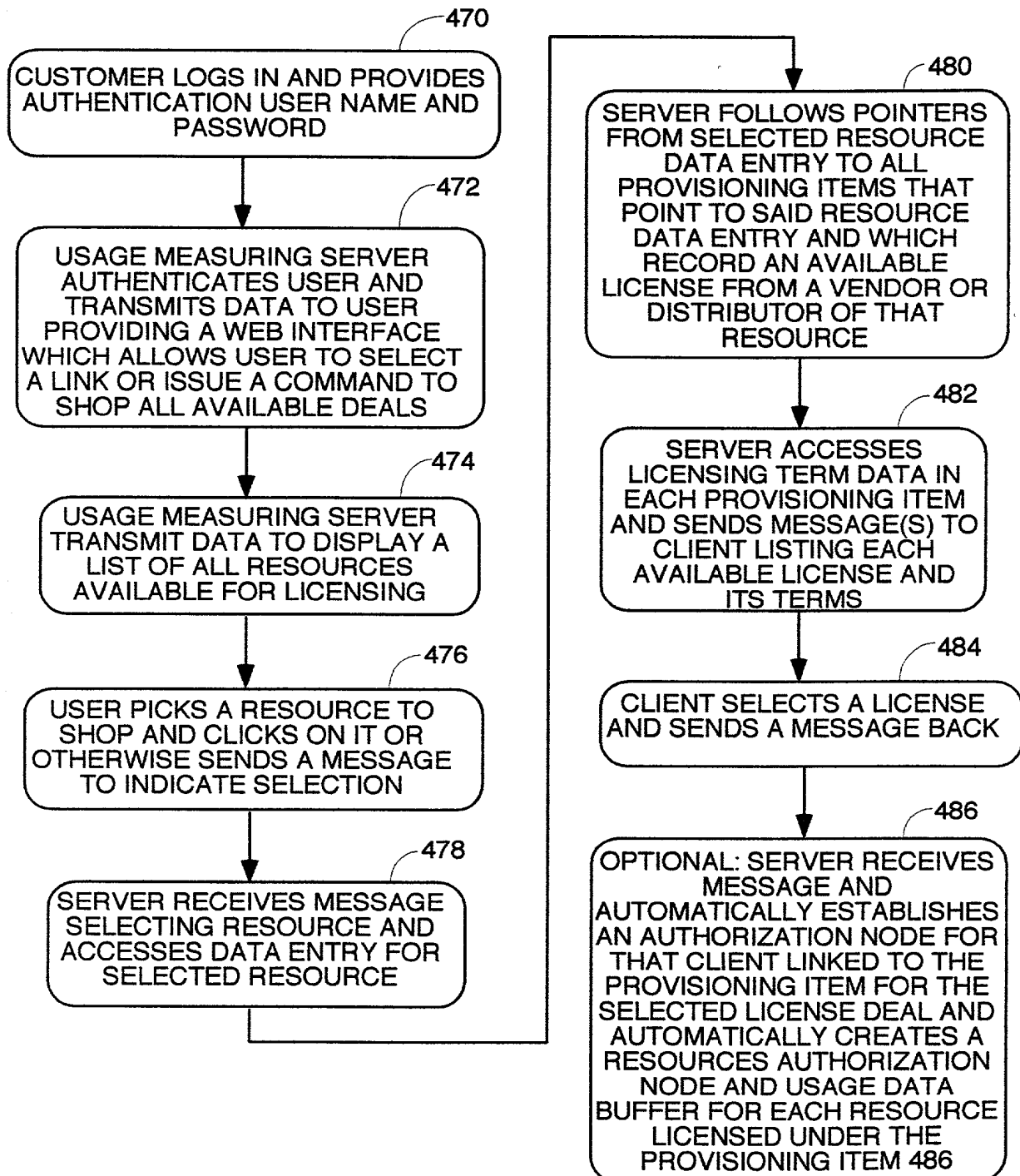


FIG. 14

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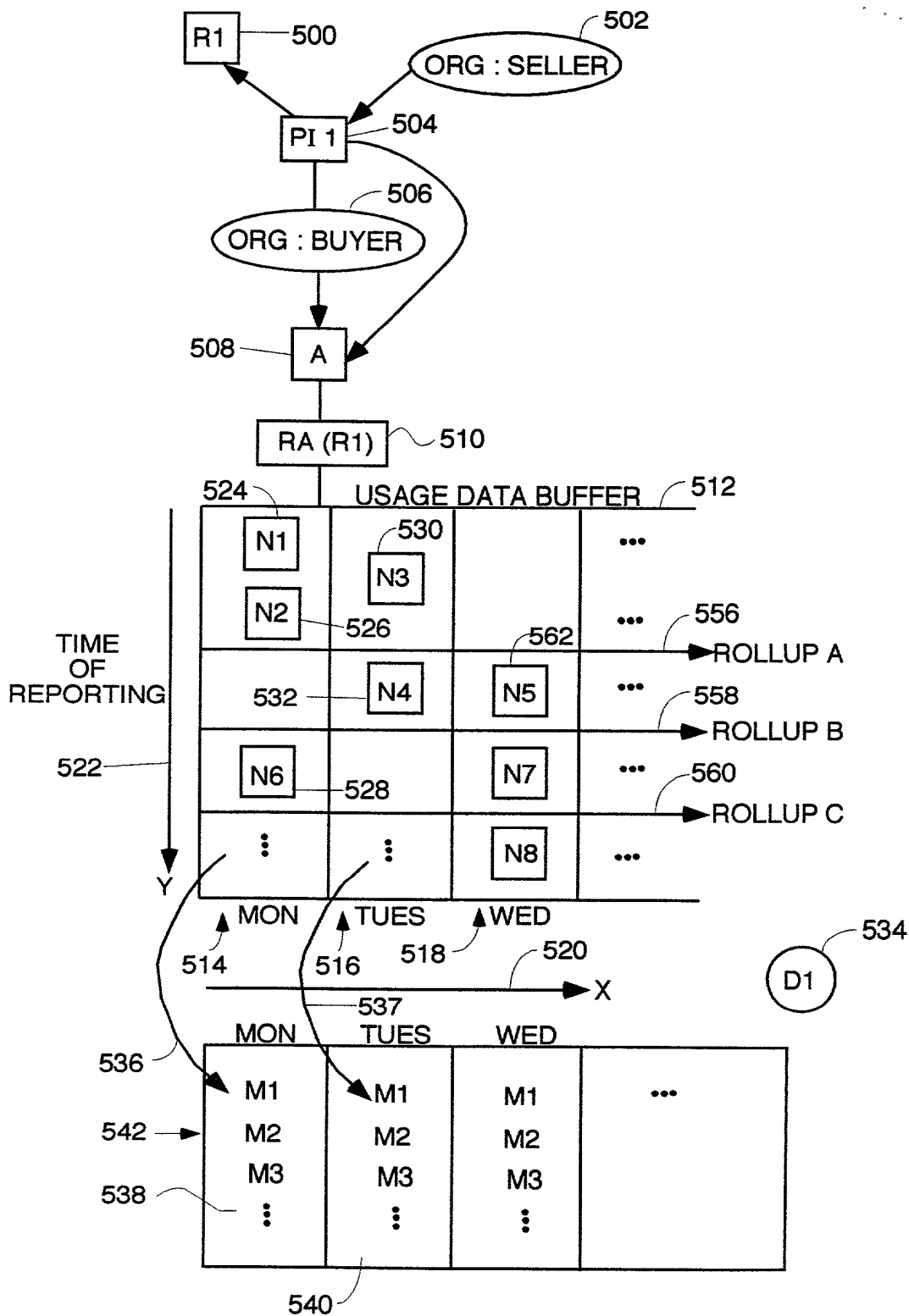


FIG. 15

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PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS
AND GENERATE METRICS THEREFROM

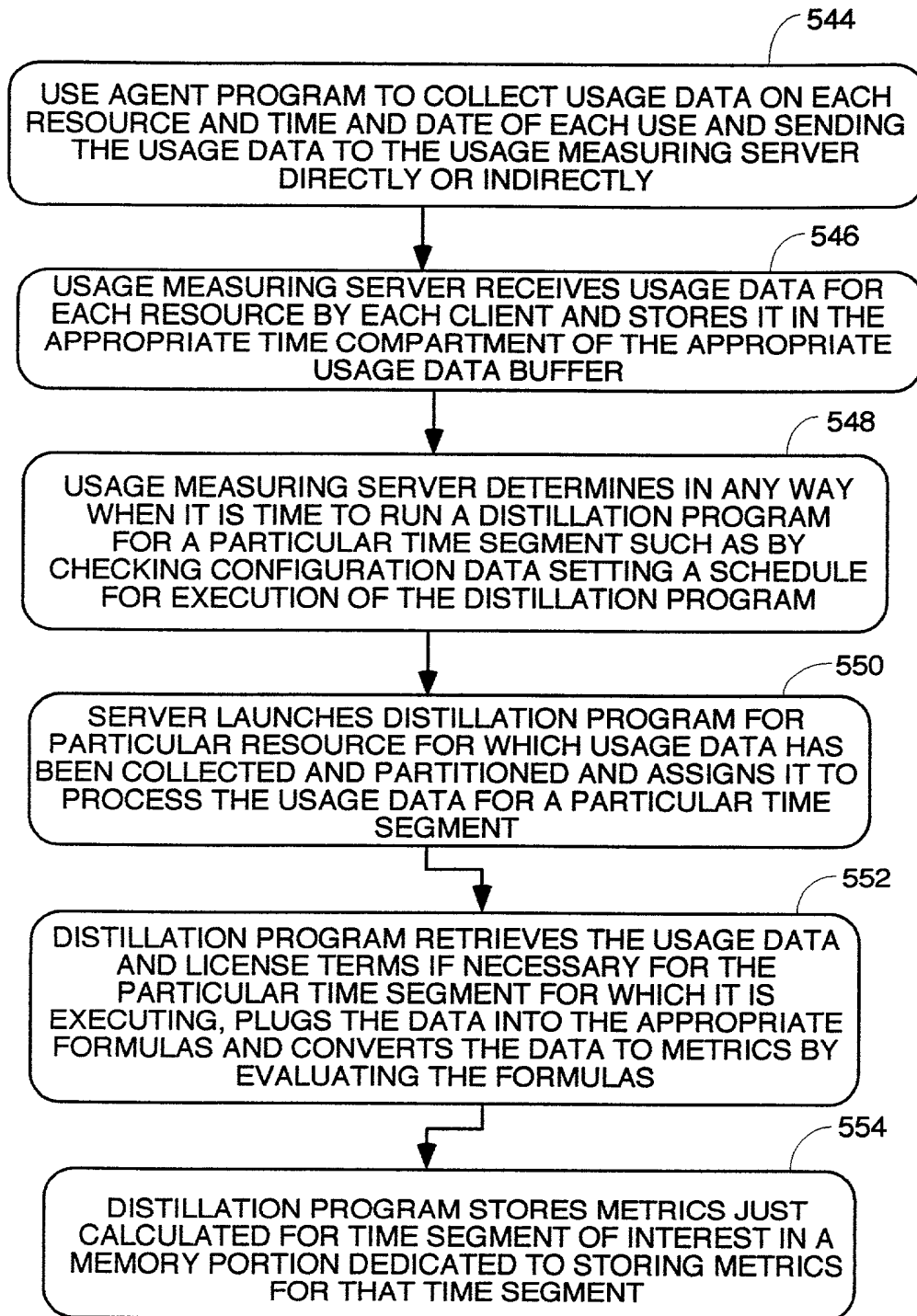


FIG. 16

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ROLLUP A ID 39

	MON	TUES	WED	...
M1= CPU	10	1	0	...
M2= DOCS	500	50	0	...
M3= #PGS	759	71	0	...
	⋮	⋮	⋮	

FIG. 17

**ALTERNATIVE
ROLLUP B ID 40**

MON	TUES	WED
0	3	2
0	70	40
0	139	96

FIG. 18

PREFERRED ROLLUP B ID 50

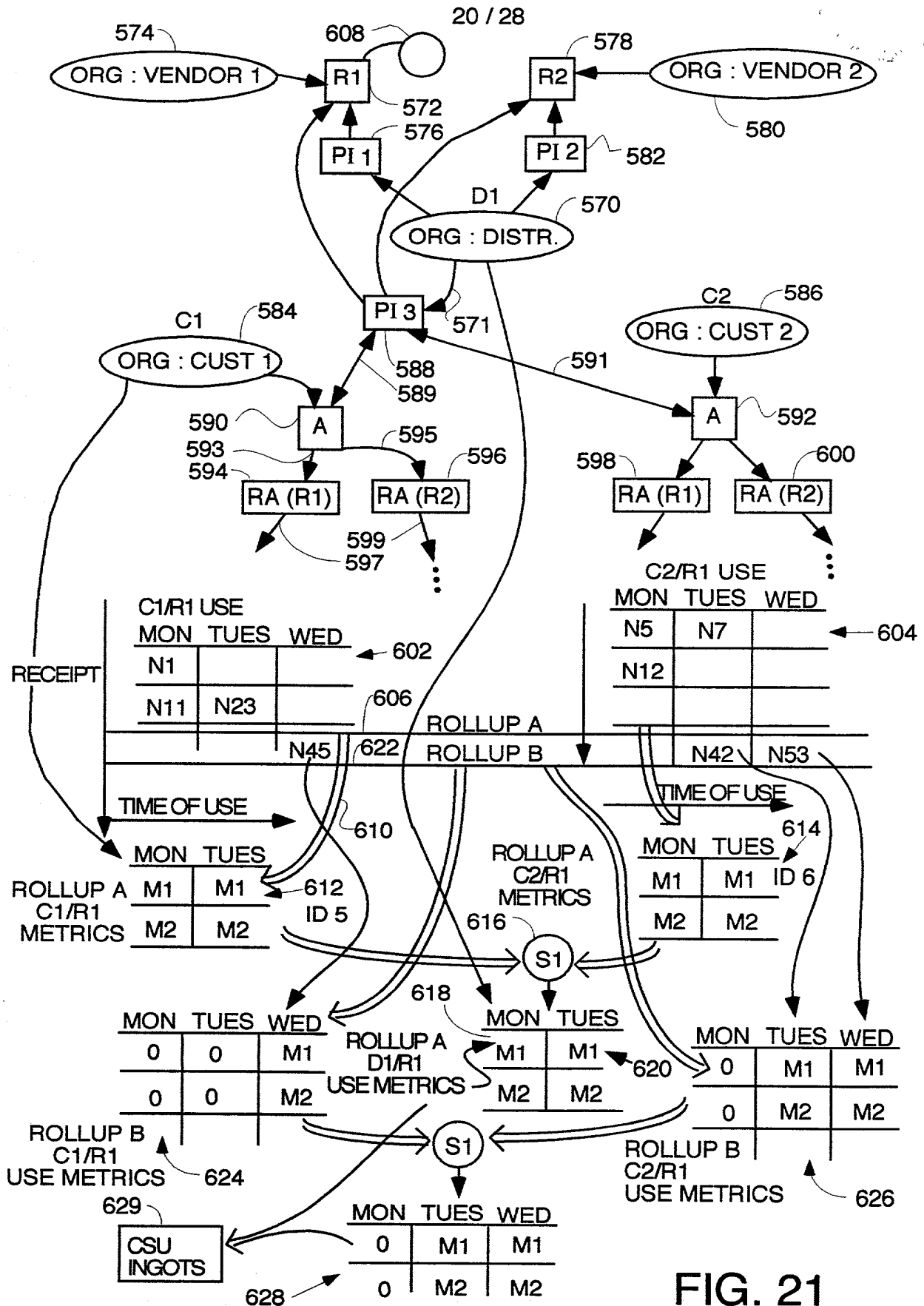
MON	TUES	WED	
10	4	2	
500	120	40	
759	210	96	

FIG. 19

**ALTERNATIVE
ROLLUP B ID 40**

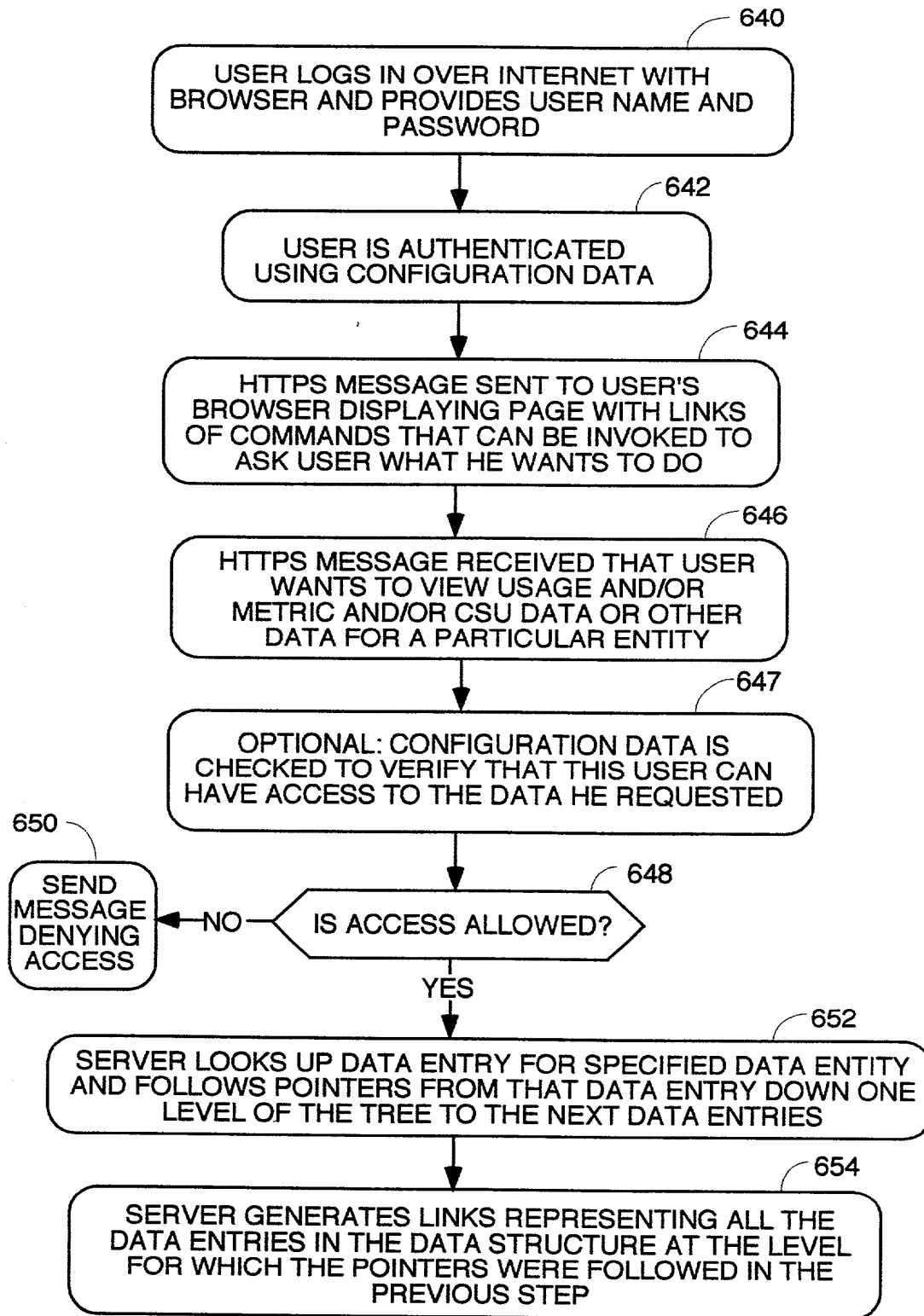
MON	TUES	WED
0	4	2
0	120	40
0	210	96

FIG. 20



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PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA
FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER



TO FIG. 22B

FIG. 22A

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FROM FIG. 22A

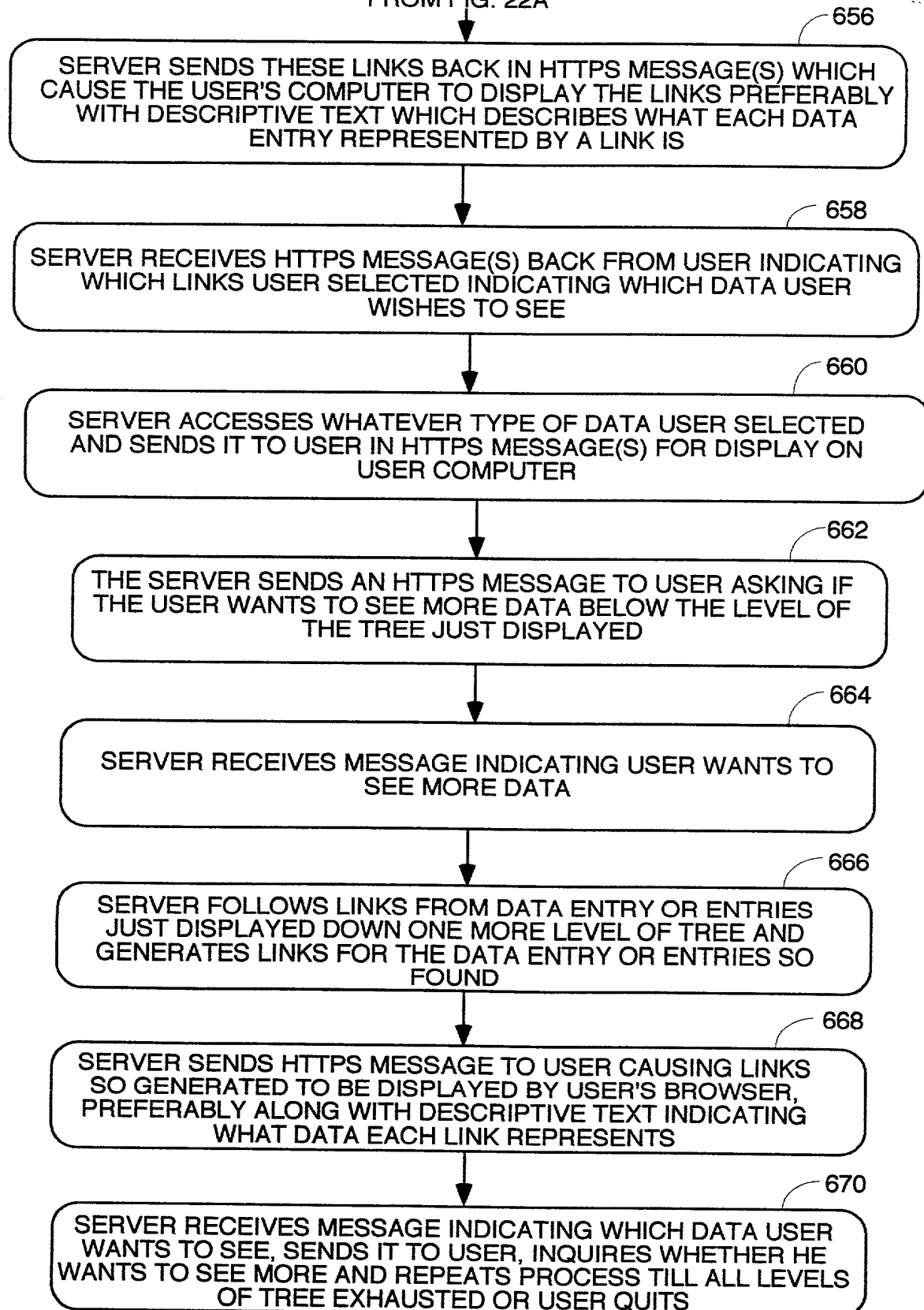
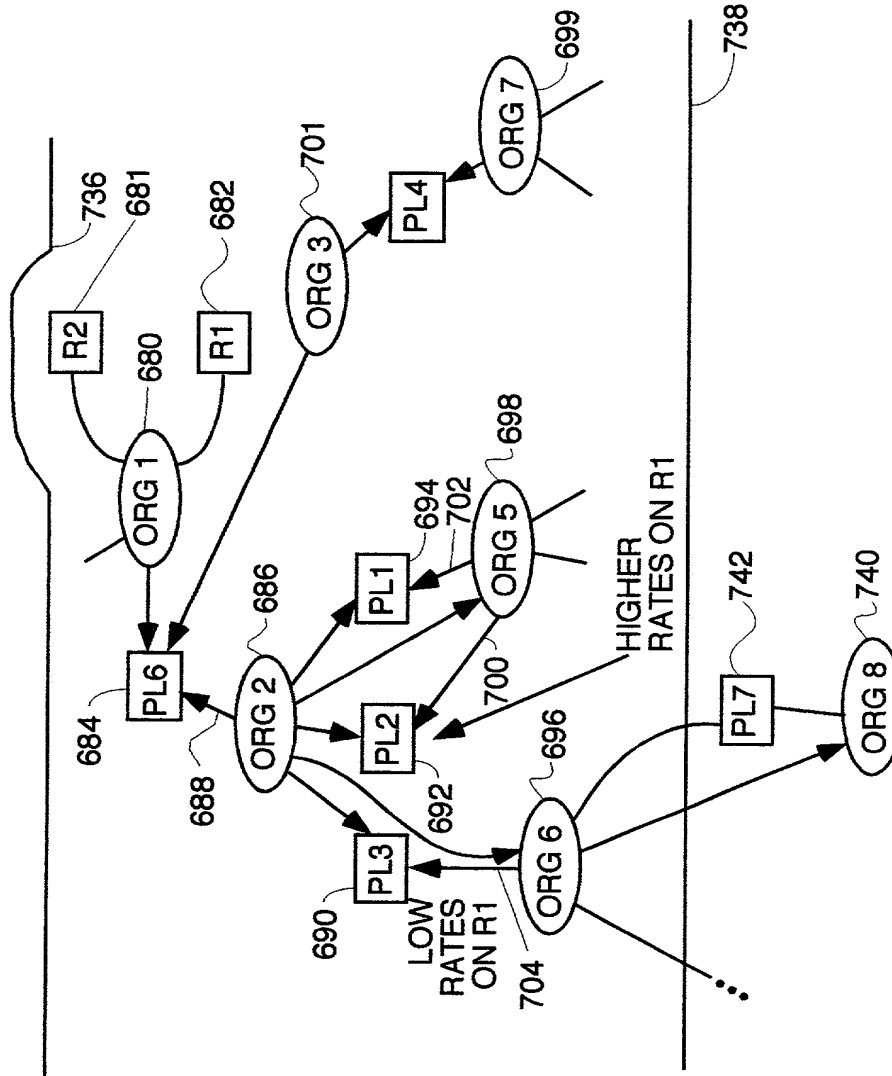


FIG. 22B



SECURITY BARRIERS

FIG. 23

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A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE USER NOT AUTHORIZED TO VIEW

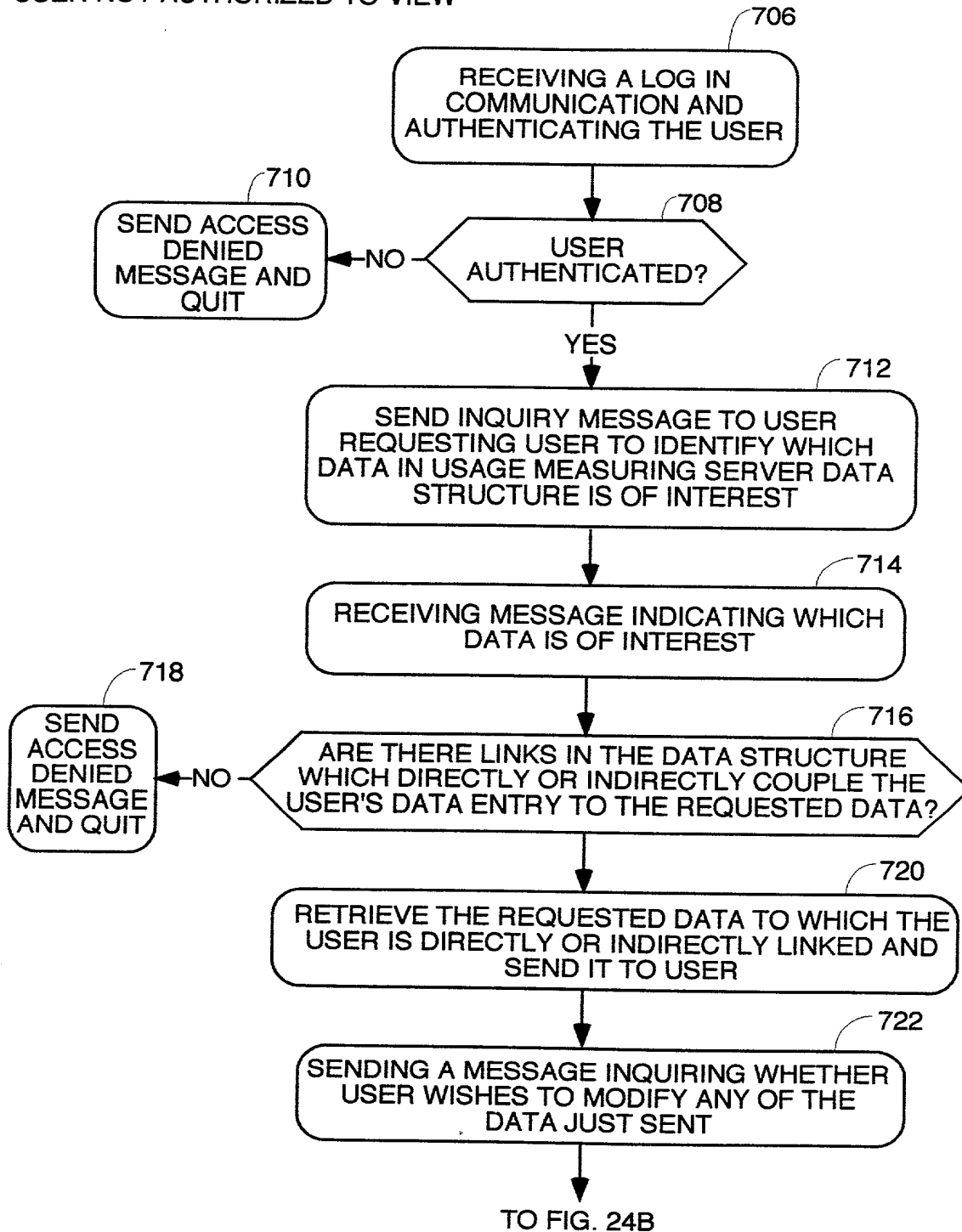


FIG. 24A

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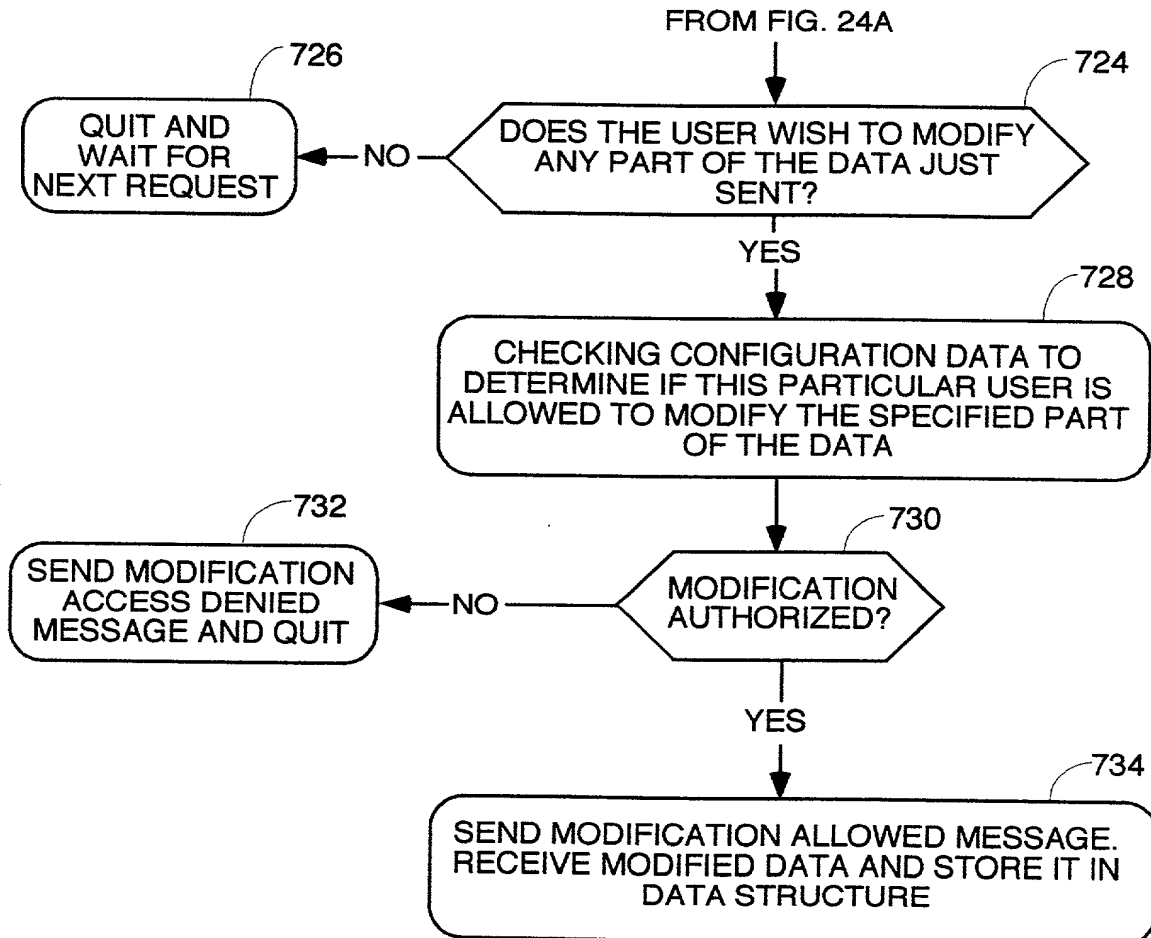


FIG. 24B

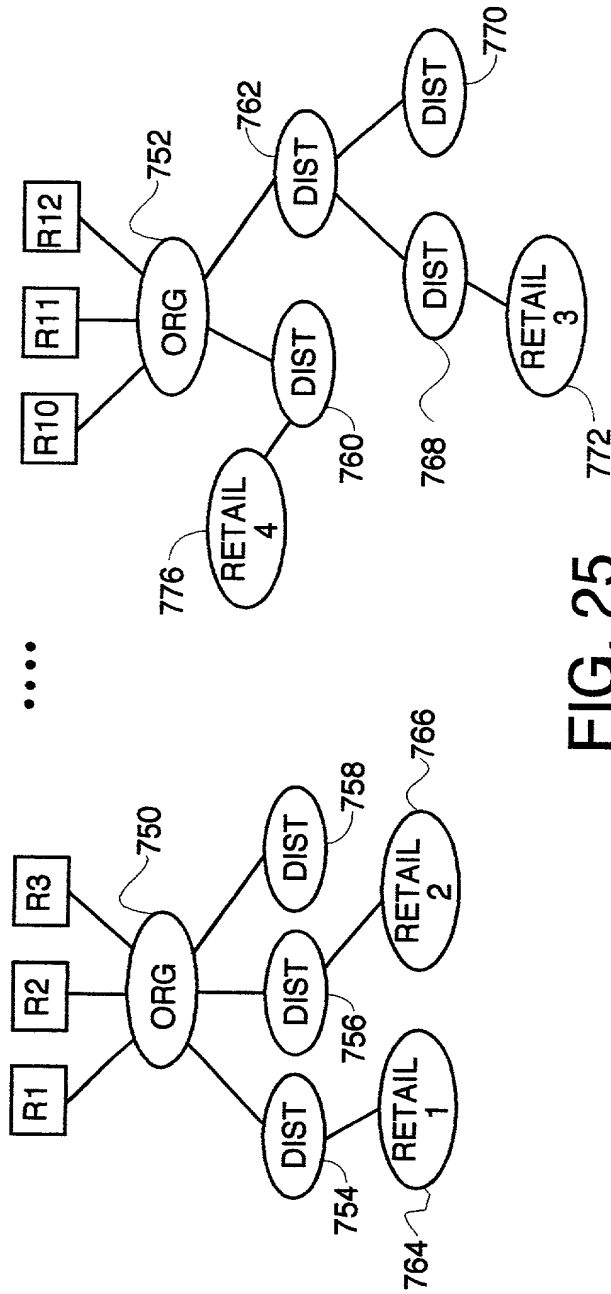


FIG. 25

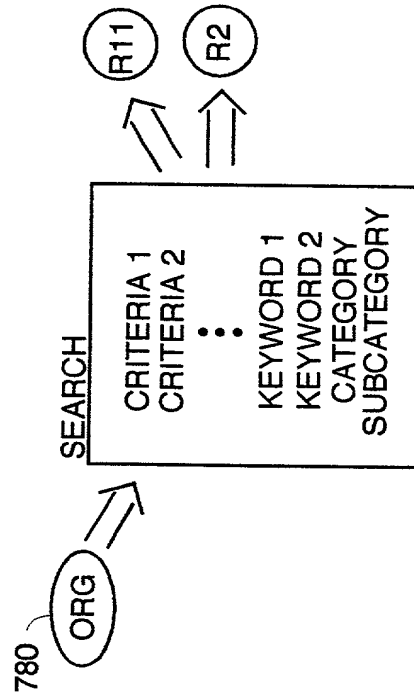
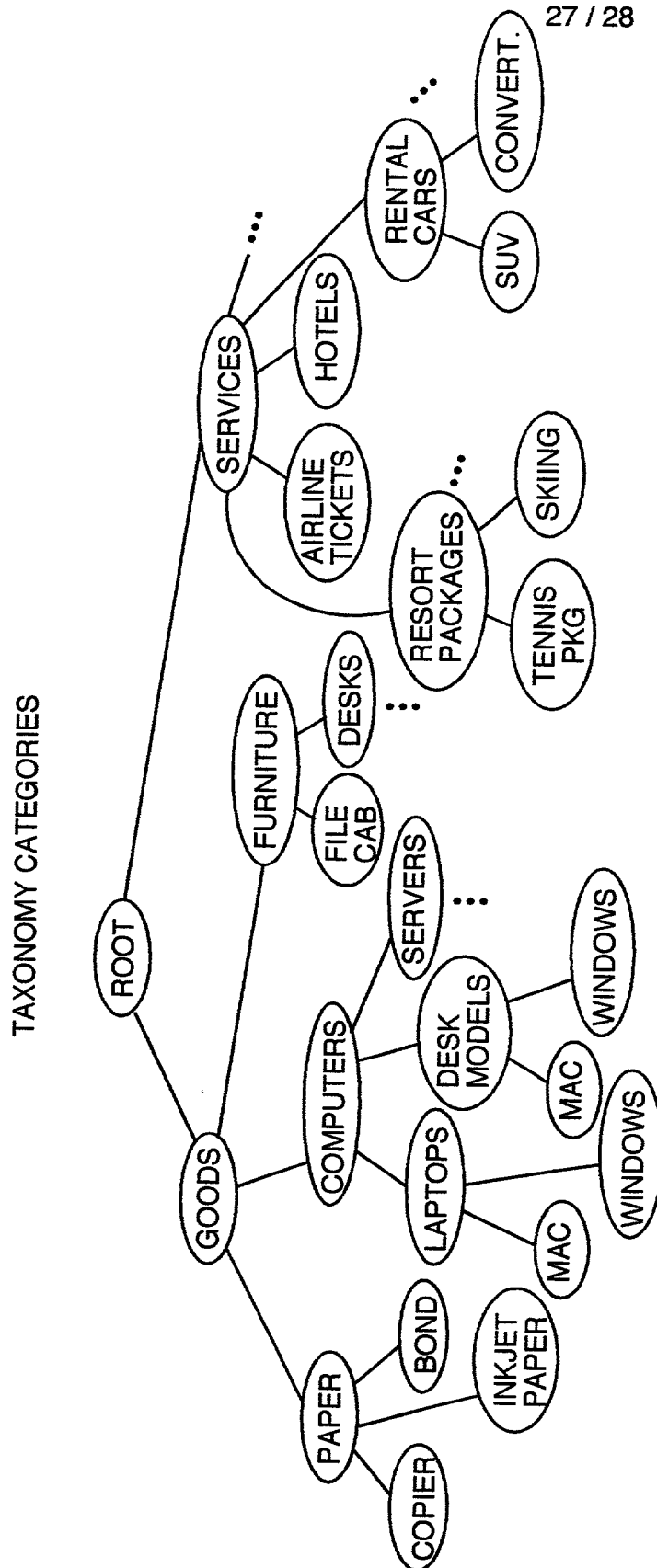


FIG. 26



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FIG. 27

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SERVER PROCESSING TO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

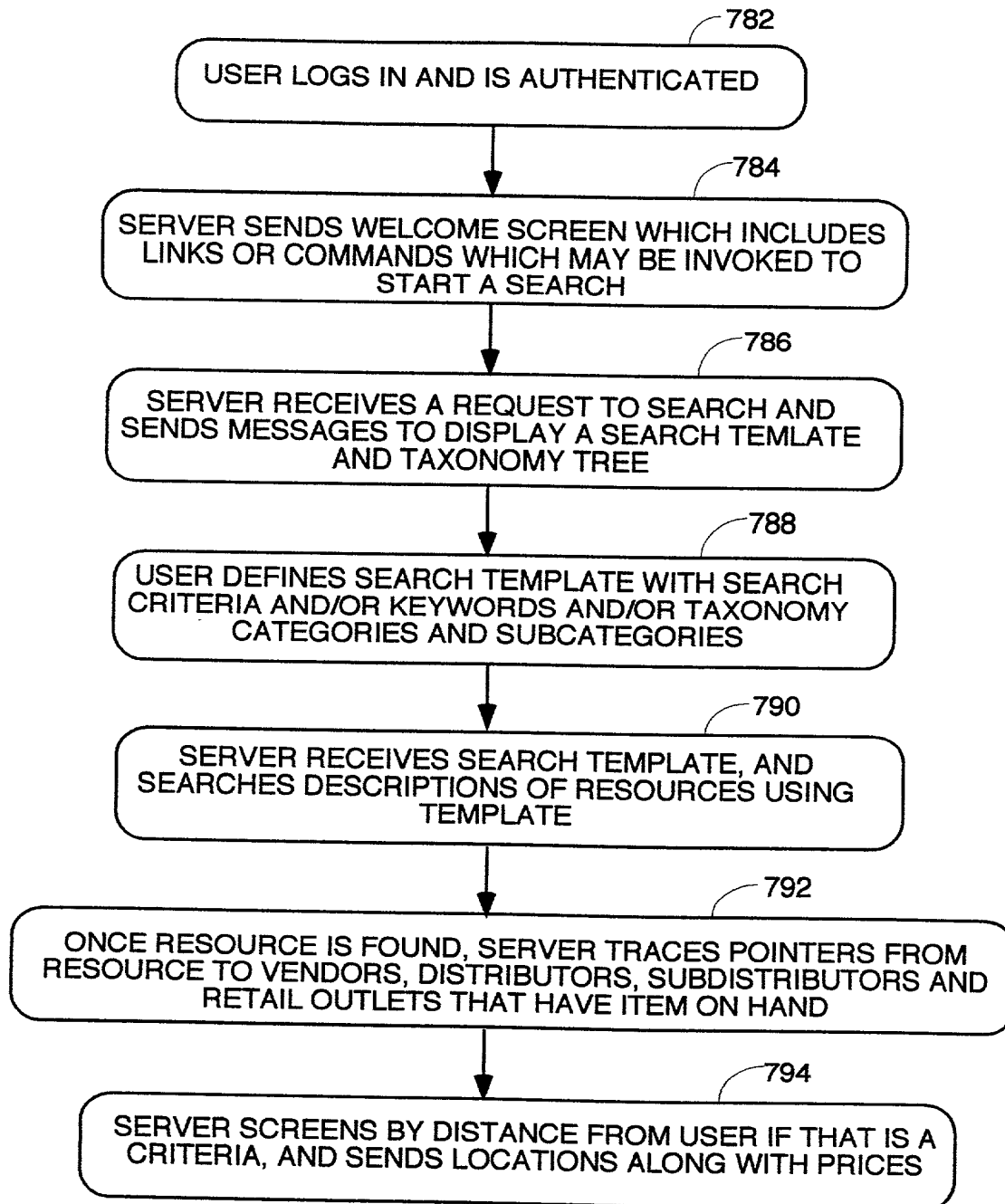


FIG.28